



PATENT  
4300.012700

## DECLARATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or the below named inventors are the original, first and joint inventors (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled *POLYNUCLEOTIDE COMPOSITIONS ENCODING S-ADENOSYL-L-METHIONINE: PHOSPHOETHANOLAMINE N-METHYLTRANSFERASE AND METHODS FOR MODULATING LIPID BIOSYNTHESIS IN PLANTS*, the Specification of which:

- ☐ is attached hereto.  
☒ was filed on **March 15, 2000** as Application Serial No. **09/525,885**.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability of the subject matter claimed in this application, as "materiality" is defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim priority benefits under Title 35, United States Code, § 119 and/or § 365 of any foreign application(s) for patent or inventor's certificate, PCT international application(s), and United States provisional application(s), listed below and have also identified below any foreign application for patent or inventor's certificate, PCT international application, or United States provisional application, having a filing date before that of the application on which priority is claimed:

PRIORITY APPLICATION(S)			Priority Claimed
Number	Country	Date Filed	Yes/No

I hereby claim the benefit under Title 35, United States Code, § 120 and/or § 365 of any United States application(s) and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose all information known to me to be material to patentability of the subject matter claimed in this application, as "materiality" is defined in Title 37, Code of Federal Regulations, § 1.56, which become available between the

filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.	Filing Date	Status

I hereby direct that all correspondence and telephone calls be addressed to BARBARA S. KITCHELL, Williams, Morgan & Amerson, P.C., 7676 Hillmont, Suite 250, Houston, Texas 77040, (713) 934-7000.

I HEREBY DECLARE THAT ALL STATEMENTS MADE OF MY OWN KNOWLEDGE ARE TRUE AND THAT ALL STATEMENTS MADE ON INFORMATION AND BELIEF ARE BELIEVED TO BE TRUE; AND FURTHER THAT THESE STATEMENTS WERE MADE WITH THE KNOWLEDGE THAT WILLFUL FALSE STATEMENTS AND THE LIKE SO MADE ARE PUNISHABLE BY FINE OR IMPRISONMENT, OR BOTH, UNDER SECTION 1001 OF TITLE 18 OF THE UNITED STATES CODE AND THAT SUCH WILLFUL FALSE STATEMENTS MAY JEOPARDIZE THE VALIDITY OF THE APPLICATION OR ANY PATENT ISSUED THEREON.

Inventor's Full Name:	MICHAEL	L.	NUCCIO
Inventor's Signature:	<i>Michael L. Nuccio</i>		
Country of Citizenship:	USA	Date:	6/12/00
Residence Address: (street, number, city, state, and/or country)	<i>815 State Rd. 21 North, Cabin #1 Melrose, FL 32666</i>		
Post Office Address: (if different from above)	<i>P.O. Box 1915 Melrose, FL 32666</i>		

Inventor's Full Name:	ANDREW	D.	HANSON
Inventor's Signature:	Andrew D. Hanson		
Country of Citizenship:	USA	Date:	6/2/00
Residence Address: (street, number, city, state, and/or country)	507 NW 39th Road #163 GAINESVILLE FL 32607		
Post Office Address: (if different from above)			

Inventor's Full Name:	SUSAN	A.	HENRY
Inventor's Signature:			
Country of Citizenship:		Date:	
Residence Address: (street, number, city, state, and/or country)			
Post Office Address: (if different from above)			

PATENT  
4300.012700**DECLARATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or the below named inventors are the original, first and joint inventors (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **POLYNUCLEOTIDE COMPOSITIONS ENCODING S-ADENOSYL-L-METHIONINE: PHOSPHOETHANOLAMINE N-METHYLTRANSFERASE AND METHODS FOR MODULATING LIPID BIOSYNTHESIS IN PLANTS**, the Specification of which:



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Inventor's Full Name:	MICHAEL	L.	NUCCIO
Inventor's Signature:			
Country of Citizenship:		Date:	
Residence Address: (street, number, city, state, and/or country)			
Post Office Address: (if different from above)			

Inventor's Full Name:	ANDREW	D.	HANSON
Inventor's Signature:			
Country of Citizenship:		Date:	
Residence Address: (street, number, city, state, and/or country)			
Post Office Address: (if different from above)			

Inventor's Full Name:	SUSAN	A.	HENRY
Inventor's Signature:	<i>Susan A. Henry</i>		
Country of Citizenship:	USA	Date:	5/30/2000
Residence Address: (street, number, city, state, and/or country)	5321 Wilkins Ave Pittsburgh, Pa 15217		
Post Office Address: (if different from above)			

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

ANDREW D. HANSON  
MICHAEL L. NUCCIO  
SUSAN A. HENRY



Group Art Unit: 1643

Examiner: Unknown

Atty. Dkt. No.: 4300.012700

Serial No.: 09/525,885

Filed: March 15, 2000

For: POLYNUCLEOTIDE COMPOSITIONS  
ENCODING S-ADENOSYL-L-  
METHIONINE:  
PHOSPHOETHANOLAMINE N-  
METHYLTRANSFERASE AND  
METHODS FOR MODULATING LIPID  
BIOSYNTHESIS IN PLANTS

**DECLARATION CLAIMING SMALL ENTITY STATUS**  
**37 C.F.R. §§ 1.9(f) and 1.27(d) - NONPROFIT ORGANIZATION**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

Name of Organization: CARNEGIE MELLON UNIVERSITY

Address of Organization: 5000 Forbes Avenue  
Pittsburgh, Pennsylvania 15213

The type of organization is a university.

I hereby declare that the organization identified above qualifies as a nonprofit organization as defined in 37 C.F.R. § 1.9(e) (1), and thus is a "small entity" as defined in § 1.9(f), for purposes of paying reduced fees under Sections 41(a) and (b) of Title 35, United States Code, with regard to the above-referenced application.

I hereby declare that exclusive rights to the invention have been conveyed to and remain with the organization, with respect to the above-referenced invention, nor have I assigned,

granted, conveyed or licensed and am under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor under 37 C.F.R. § 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 C.F.R. § 1.9(d) or a nonprofit organization under 37 C.F.R. § 1.9(e), with the exception that the Government may have rights in the invention pursuant to a funding agreement under 35 U.S.C. § 202(c)(4): Grant No. 98-35100-6149, U.S. Department of Agriculture and Grant No. GM19629, National Institutes of Health.

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

CARNEGIE MELLON UNIVERSITY

By: 

Name: SUSAN L. BURKETT

Title: Associate Provost

Date: 6/22/00



**PATENT**

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In re Application of:  
 ANDREW D. HANSON  
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**ELECTION UNDER 37 C.F.R. §§ 3.71 AND 3.73  
 AND POWER OF ATTORNEY**

Assistant Commissioner for Patents  
 Washington, D.C. 20231

Sir:

The undersigned, being Assignee of record of the entire interest in the above-identified application by virtue of an assignment recorded in the United States Patent and Trademark Office as set forth below, hereby elects, under 37 C.F.R. § 3.71, to prosecute the application to the exclusion of the inventors.

The Assignee hereby revokes any previous Powers of Attorney and appoints:

Danny L. Williams, Reg. No. 31,892; Terry D. Morgan, Reg. No. 31,181; J. Mike Amerson, Reg. No. 35,426; Kenneth D. Goodman, Reg. No. 30,460; Barbara S. Kitchell, Reg. No. 33,928; Jeffrey A. Pyle, Reg. No. 34,904; Randall C. Furlong, Reg. No. 35,144; Scott F. Diring, Reg. No. 35,119; George J. Oehling, Reg. No. 40,471; Shelley P.M. Fussey, Reg. No. 39,458; Mark D. Moore, Reg. No. 42,903; Carolanne M. King, Reg. No. 44,914; Louis H. Iselin, Reg. No. 42,684; and Raymund F. Eich, Reg. No. 42,508;

each an attorney or agent of the firm of WILLIAMS, MORGAN & AMERSON, P.C., as its attorney or agent for so long as they remain with such firm, with full power of substitution and revocation, to prosecute the application, to make alterations and amendments therein, to transact

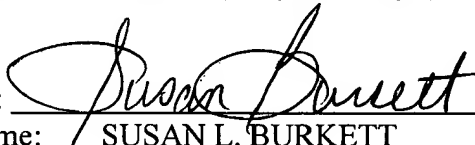
all business in the Patent and Trademark Office in connection therewith, and to receive any Letters Patent, and for one year after issuance of such Letters Patent to file any request for a certificate of correction that may be deemed appropriate.

Pursuant to 37 C.F.R. § 3.73, the undersigned has reviewed the evidentiary documents, specifically the Assignment to CARNEGIE MELLON UNIVERSITY, referenced below, and certifies that to the best of my knowledge and belief, title remains in the name of the Assignee.

Please direct all communications as follows:

MARK D. MOORE  
WILLIAMS, MORGAN & AMERSON, P.C.  
7676 Hillmont, Suite 250  
Houston, Texas 77040  
(713) 934-7000

ASSIGNEE:  
CARNEGIE MELLON UNIVERSITY

By:   
Name: SUSAN L. BURKETT  
Title: Associate Provost  
Date: 6/22/00

ASSIGNMENT:

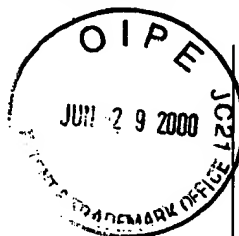
☒ Concurrently filed  
☐ Previously recorded  
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Frames: \_\_\_\_\_

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

ANDREW D. HANSON  
MICHAEL L. NUCCIO  
SUSAN A. HENRY



Group Art Unit: 1643

Examiner: Unknown

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BIOSYNTHESIS IN PLANTS

**DECLARATION CLAIMING SMALL ENTITY STATUS**  
**37 C.F.R. §§ 1.9(f) and 1.27(d) - NONPROFIT ORGANIZATION**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

Name of Organization: UNIVERSITY OF FLORIDA

Address of Organization: P.O. BOX 115500  
GAINESVILLE, FLORIDA 32611-5500

The type of organization is a university.

I hereby declare that the organization identified above qualifies as a nonprofit organization as defined in 37 C.F.R. § 1.9(e) (1), and thus is a "small entity" as defined in § 1.9(f), for purposes of paying reduced fees under Sections 41(a) and (b) of Title 35, United States Code, with regard to the above-referenced application.


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UNIVERSITY OF FLORIDA

By:   
Name: THOMAS E. WALSH, Ph.D.  
Title: Director of Sponsored Research  
Date: 6-22-00

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

ANDREW D. HANSON  
MICHAEL L. NUCCIO  
SUSAN A. HENRY



Serial No.: 09/525,885

Filed: March 15, 2000

For: POLYNUCLEOTIDE COMPOSITIONS  
ENCODING S-ADENOSYL-L-  
METHIONINE:  
PHOSPHOETHANOLAMINE N-  
METHYLTRANSFERASE AND  
METHODS FOR ALTERING  
PHOSPHATIDYLCHOLINE  
BIOSYNTHESIS IN PLANTS

Group Art Unit: 1643

Examiner: Unknown

Atty. Dkt. No.: 4300.012700

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AND POWER OF ATTORNEY**

Assistant Commissioner for Patents  
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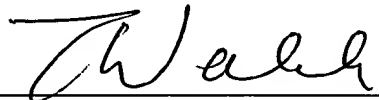
revocation, to prosecute the application, to make alterations and amendments therein, to transact all business in the Patent and Trademark Office in connection therewith, and to receive any Letters Patent, and for one year after issuance of such Letters Patent to file any request for a certificate of correction that may be deemed appropriate.

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7676 Hillmont, Suite 250  
Houston, Texas 77040  
(713) 934-7000

ASSIGNEE:  
UNIVERSITY OF FLORIDA

By:   
Name: THOMAS E. WALSH, Ph.D.  
Title: Director of Sponsored Research  
Date: 6/22/00

ASSIGNMENT:

☒ Concurrently filed  
☐ Previously recorded  
Date: \_\_\_\_\_  
Reel: \_\_\_\_\_  
Frames: \_\_\_\_\_